



The State of New Hampshire
Department of Environmental Services



Michael P. Nolin
Commissioner

February 14, 2006
Letter of Deficiency
DSP#06-001

Mr. Larry Costa
224 Mill Pond Road
Nottingham, NH 03290

RE: Nottingham Lake Dam #184.08, Nottingham

Dear Mr. Costa:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 302.02, an inspection of the subject dam was conducted on July 29, 2005. During this visual inspection and/or file review, the following deficiencies were observed:

1. The downstream slope of the embankment was overgrown with brush and there was low vegetation on the upstream slope near the water line;
2. There was minor tree and brush growth along the right spillway abutment walls;
3. The concrete stoplog slots located in the riser structure in the pond were deteriorated with reinforcing steel visible;
4. The footings of the rightmost two stoplog bays of the main spillway are undermined;
5. The sills of each stoplog bay appeared to have a rough surface which will likely make it difficult to create a tight seal with the bottom most stoplog;
6. The condition of the riser outlet pipe is unknown;
7. The operation and maintenance plan (O&M) has not been updated since there was a change of ownership; and
8. DES does not have accurate plans depicting the configuration, size and elevation of the dam and appurtenant structures.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

November 1, 2006:

1. Remove the trees and brush from the downstream slope of the dam and for a distance of 15 feet from all portions of the embankment;
2. Remove the trees and brush from along the right spillway abutment for a distance of 15 feet from all portions of the concrete retaining walls;

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3. Repair the stoplog slops on the riser structure;
4. Repair the undermined concrete piers located in the main spillway;
5. If necessary to create a more water tight seal, re-surface the floor of the stoplog bays;
6. Review, update and submit a revised O&M plan; and
7. Prepare and submit plans or sketches of the dam with all dimension and elevations of each outlet structure.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. Please call or write to our office if the repairs are completed ahead of the aforementioned schedule so that DES may schedule a follow-up inspection. Unless notified otherwise, DES will conduct the follow-up inspection on or after the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the bottom of the previous page.

Sincerely,

COPY

Jeffrey M. Blaney, P.E.
Dam Safety Engineer

Attachments Copy of O&M plan, Sketch Illustrating Deficiencies, DB8, DB13

cc: Gretchen R. Hamel, Legal Unit Administrator ✓

Town of Nottingham

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